

Product datasheet for PH301177

ENT1 (SLC29A1) (NM_001078177) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SLC29A1 MS Standard C13 and N15-labeled recombinant protein (NP_001071645)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201177
Predicted MW:	50 kDa
Protein Sequence:	>RC201177 representing NM_001078177 Red=Cloning site Green=Tags(s)

MTTSHQPQDRYKAVWLIFFMLGLGTLTPWNFFMTATQYFTNRLDMSQNVSLVTAELSKDAQASAAPAAPL
PERNSLSAIFNNVMTLCAMLP LLLFTYLN SFLHQRI PQSVRILGSLVA ILLVFLITAILVKVQLDALPFF
VITMIKIVLINSFGAILQGSLFGLAGLLPASYTAPIMSGQGLAGFFASVAMICAIASGSELSESAFGYFI
TACAVIILTIIICYLGLPRLEFYRYQQKLEGPGEQETKLDLISKGEEPRAGKEESGVSVSNSQPTNESH
SIKAILKNISVLAFSVCFIFTITIGMFPVAVTEVKSSIAGSSTWERYFIPVSCFLTFNIFDWLGRSLTAV
FMWPGKDSRWLPSLVLARLVFVPLLLLCNIKPRRYLTVVFEHDAWFIFMAAFASNGYLASLCMCFGPK
KVKPAEAEETAGAIMAFFLCLGLALGAVFSFLFRAIV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001071645</u>
RefSeq Size:	2503
RefSeq ORF:	1368
Synonyms:	ENT1



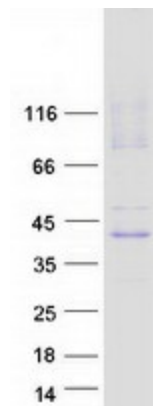
[View online »](#)

Locus ID: 2030
UniProt ID: [Q99808](#)
Cytogenetics: 6p21.1

Summary: This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified SLC29A1 protein (Cat# [TP301177]). The protein was produced from HEK293T cells transfected with SLC29A1 cDNA clone (Cat# [RC201177]) using MegaTran 2.0 (Cat# [TT210002]).